DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
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April 21, 2011

03-But-99-R32.4/R33.3
03-3A0424
Project ID 03000004431

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN BUTTE COUNTY IN CHICO FROM ROUTE 32 UNDERCROSSING TO EAST FIRST AVENUE UNDERCROSSING.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on Tuesday, May 10, 2011.

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions, the Bid book, and provide a copy of the Information Handout.

Project Plan Sheets 348, 349, 350, 372, 398, 399, 400, 401 and 431 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 5-1.11, "SUPPLEMENTAL PROJECT INFORMATION," the following items are added to the information handout:

(13) State of California, Natural Resources Agency, Central Valley Flood Protection Board, Permit No. 18581 BD.
(14) California EPA-Department of Toxic Substances Control, Variance # V09HQSCD006.
(15) Location Map, for stockpiling of Material Containing Hazardous Waste Concentrations of Aerially Deposited Lead."

In the Special Provisions, Section 5-1.13, "SPECIES PROTECTION," is revised as attached.

In the Special Provisions, Section 5-1.155, "RELATIONS WITH CALIFORNIA DEPARTMENT OF FISH AND GAME," is added as attached.

In the Special Provisions, Section 10-1.40, "MATERIAL CONTAINING HAZARDOUS WASTE CONCENTRATIONS OF AERIALLY DEPOSITED LEAD," is revised as attached.

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In the Bid book, in the "Bid Item List," Items 15, 16, 100 and 116 are revised as attached.

To Bid book holders:

Replace pages 3, 7, and 8 of the "Bid Item List" in the Bid book with the attached revised pages 3, 7, and 8 of the Bid Item List. The revised Bid Item List is to be used in the bid.

Attached is a copy of the following Information Handouts:

- State of California, Natural Resources Agency, Central Valley Flood Protection Board, Permit No. 18581 BD.
- California EPA-Department of Toxic Substances Control, Variance # V09HQSCD006.
- Location Map, for stockpiling of Material Containing Hazardous Waste Concentrations of Aerially Deposited Lead.

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the Notice to Bidders section of the Notice to Bidders and Special Provisions.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the Bid book.

Submit bids in the Bid book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This addendum and attachments are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/03/03-3A0424

If you are not a Bid book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

Rebecca D. Harnagel

REBECCA D. HARNAGEL
Chief, Office of Plans, Specifications & Estimates
Office Engineer
Division of Engineering Services

Attachments

5-1.13 SPECIES PROTECTION

GENERAL

Summary

This work includes protecting regulated species or their habitat.
This project is within or near habitat for regulated species:

Sacramento River Winter-Run Chinook Salmon
Central Valley Steelhead
Central Valley Spring-Run Chinook Salmon
Valley Elderberry Longhorn Beetle
Bats
Swallows and other structure-nesting birds
Western pond turtle

CONSTRUCTION

Biological Resource Information

Implement the following Biological Resource Information requirements:

1. Life history of the regulated species in the project area.
2. Laws and regulation related to those species.
3. Avoidance and minimization measures that are a part of the project.

Protection Measures

Within Biological Monitoring Area 1: Entire Project Area, implement the following protection measures:

1. Temporary Fence (Type ESA) will be installed around the elderberry shrubs as shown on the plans or as directed by the engineer.
2. Temporary Fence (Type ESA) will be inspected and maintained for the entire project.
3. The project area will be watered down to prevent dust from becoming air borne and accumulating on elderberry shrubs.
4. Tree and vegetation removal will only occur between September 1 and February 15.
5. Prior to beginning work on the project site all construction workers and Caltrans staff will participate in Environmental Awareness training, conducted by the Contractor Supplied Biologist. The topics of the training are listed above in the Biological Resource Information section of this spec.
6. Staging and refueling areas and hazardous substances will be kept a minimum of 100 feet away from the active stream channel, and a spill prevention plan will be developed to keep construction and maintenance material out of the water.
7. A pre-construction survey for bats will be conducted at trees to be trimmed or removed.

Within Biological Monitoring Area 2: Big Chico Creek, implement the following protection measures:

1. Instream work will be limited to July 1—August 31 of any construction year.
2. The temporary detour and work pad will meet the NOAA Fisheries Southwest Region Guidelines for Salmonid Passage at Stream Crossings.
3. A pre-construction survey for western pond turtles will be conducted within 24 hours of dewatering of Big Chico Creek, or before there is any activity within Big Chico Creek. Big Chico Creek will be re-surveyed for western pond turtles whenever a lapse in construction activity within Big Chico Creek 2 of two weeks or greater has occurred.
4. Western pond turtles encountered during surveys or during construction activities will be relocated by the Contractor Supplied Biologist downstream of the active work area.

Within Biological Monitoring Area 3: Bidwell Park Viaduct, implement the following protection measures:

1. A preconstruction survey to determine if bats are occupying the viaduct, or if swallows or other structure-nesting birds are nesting on the viaduct.
2. Prior to February 15, exclusionary devices or other prevention measures will be used to prevent bats from roosting on the viaduct.
3. Prior to March 1, remove abandoned bird nests from the viaduct.
4. Prior to March 1, exclusionary devices or other nesting prevention measures will be used to prevent swallows or other structure-nesting birds from nesting on the viaduct.
5. Exclusionary devices will be removed from the viaduct upon completion of project construction.

MEASUREMENT AND PAYMENT

Full compensation for Species Protection is included in the contract lump sum price paid for Contractor Supplied Biologist and no additional compensation will be allowed.

5-1.155 RELATIONS WITH CALIFORNIA DEPARTMENT OF FISH AND GAME

A portion of this project is located within the jurisdiction of the California Department of Fish and Game. A permit regarding streams has been entered into by the Department of Transportation and the Department of Fish and Game. The Contractor shall be fully informed of the requirements of this permit as well as rules, regulations, and conditions that may govern the Contractor's operations in these areas and shall conduct the work accordingly.

Attention is directed to "Supplemental Project Information" of these special provisions regarding permits applications, permits, agreements or additional information.

It is unlawful for any person to divert, obstruct or change the natural flow of the bed, channel or bank of a stream, river or lake without first notifying the Department of Fish and Game, unless the project or activity is noticed and constructed in conformance with conditions imposed under Fish and Game Code Section 1602.

Attention is directed to Sections 7-1.01, "Laws to be Observed," 7-1.01G, "Water Pollution," and 7-1.12, "Indemnification and Insurance," of the Standard Specifications.

Modifications to the permits between the Department of Transportation and the Department of Fish and Game which are proposed by the Contractor shall be submitted in writing to the Engineer for transmittal to the Department of Fish and Game for their consideration.

When the Contractor is notified by the Engineer that a modification to the agreement or permit is under consideration, no work shall be performed which is inconsistent with the original agreement or permit or proposed modification until the Departments take action on the proposed modifications. Compensation for delay will be determined in conformance with the provisions in Section 8-1.09, "Right of Way Delays," of the Standard Specifications.

The provisions of this section shall be made a part of every subcontract executed pursuant to this contract.

Modifications to any permit between the Department of Transportation and the Department of Fish and Game will be fully binding on the Contractor. The provisions of this section shall be made a part of every subcontract executed pursuant to this contract.

10-1.40 MATERIAL CONTAINING HAZARDOUS WASTE CONCENTRATIONS OF AERIALLY DEPOSITED LEAD

Earthwork involving material containing aerially deposited lead shall conform to the provisions in Section 19, "Earthwork," of the Standard Specifications and these special provisions.

Attention is directed to "Aerially Deposited Lead" of these special provisions.

Type Y-1 material contains aerially deposited lead in average concentrations of 1.5 mg/L or less extractable lead (based on a modified waste extraction test using deionized water as the extractant) and 1411 mg/kg or less total lead. Type Y-1 material exists between 0.0 feet and 15.0 feet, measured horizontally from the edges of existing pavement, from Station "C" 558+00 to Station "C" 573+78 and Station "D"11+00 to Station "D" 29+00, and from a depth of 0.0 feet to 2.5 feet below existing grade, as shown on the plans. This material shall be placed as shown on the plans, unless otherwise directed by the Engineer, and covered with a minimum 5-foot layer of nonhazardous soil or pavement. This material is hazardous waste regulated by the State of California that may be reused as permitted under the Variance of the California Department of Toxic Substances Control (DTSC) provided that the lead contaminated soil is placed a minimum of 5 feet above the maximum water table elevation and covered with at least one foot of nonhazardous soil. Temporary surplus material may be generated on this project due to the requirements of stage construction. Temporary surplus material shall not be transported outside the State right of way. In order to conform to the requirements of these provisions it may be necessary to stockpile material for subsequent stages, to construct some embankments out of stage, or to handle temporary surplus material more than once.

Type Y-2 material contains aerially deposited lead in average concentrations that exceed either 1.5 mg/L extractable lead (based on a modified waste extraction test using deionized water as the extractant) or 1411 mg/kg total lead but are less than 150 mg/L extractable lead (based on a modified waste extraction test using deionized water as the extractant) and less than 3397 mg/kg of total lead. Type Y-2 material exists between 0.0 feet and 15.0 feet, measured horizontally from the edges of existing pavement, from Station "D" 29+50 to Station "D" 39+40, and from a depth of 0.0 feet to 0.5 feet below existing grade, as shown on the plans. This material shall be placed as shown on the plans, unless otherwise directed by the Engineer, and covered with a layer of pavement. This material is hazardous waste regulated by the State of California that may be reused as permitted under the Variance of DTSC provided that the lead contaminated soil is placed a minimum of 5 feet above the maximum water table elevation and protected from infiltration by a pavement structure which will be maintained by the Department. Temporary surplus material may be generated on this project due to the requirements of stage construction. Temporary surplus material shall not be transported outside the State right of way. In order to conform to the requirements of these provisions, it may be necessary to stockpile material for subsequent stages, to construct some embankments out of stage, or to handle temporary surplus material more than once.

LEAD COMPLIANCE PLAN

Submit a lead compliance plan under Section 7-1.07, "Lead Compliance Plan," of the Standard Specifications.

EXCAVATION AND TRANSPORTATION PLAN

Within 15 days after approval of the contract, the Contractor shall submit 3 copies of an Excavation and Transportation Plan to the Engineer. The Engineer will have 5 days to review the plan. If revisions are required, as determined by the Engineer, the Contractor shall revise and resubmit the plan within 7 days of receipt of the Engineer's comments. The Engineer will have 3 days to review the revisions. Upon the Engineer's approval of the plan, 3 additional copies incorporating the required changes shall be submitted to the Engineer. Minor changes to or clarifications of the initial submittal may be made and attached as amendments to the Excavation and Transportation Plan. In order to allow construction to proceed, the Engineer may conditionally approve the plan while minor revisions or amendments are being completed.

The Contractor shall prepare the written, project specific Excavation and Transportation Plan establishing the procedures the Contractor will use to comply with requirements for excavating, stockpiling, transporting, and placing (or disposing) of material containing aerially deposited lead. The plan shall conform to the regulations of the DTSC and Cal-OSHA. The sampling and analysis portions of the Excavation and Transportation Plan shall meet the requirements for the design and development of the sampling plan, statistical analysis, and reporting of test results contained in USEPA, SW 846, "Test Methods for Evaluating Solid Waste," Volume II: Field Manual Physical/Chemical, Chapter Nine, Section 9.1. The plan shall contain, but not be limited to the following elements:

A. Excavation schedule (by location and date),
B. Temporary locations of stockpiled material,
C. Sampling and analysis plans for areas after removal of a stockpile,

    1. Location and number of samples,
    2. Analytical laboratory,

D. Survey methods for Type Y-1 or Y-2 material burial locations,
E. Sampling and analysis plan for soil cover,
F. Dust control measures,
G. Air monitoring,

    1. Location and type of equipment,
    2. Sampling frequency,
    3. Analytical laboratory,

H. Transportation equipment and routes,
I. Method for preventing spills and tracking material onto public roads,
J. Truck waiting and staging areas,
K. Example of Bill of Lading to be carried by trucks transporting Type Y-1 orY-2, material. The Bill of Lading shall contain: US DOT description including shipping name, hazard class, and ID number; handling codes; quantity of material; and volume of material. Copies of the bills of lading shall be provided to the Engineer upon placement of Type Y-1 or Y-2 material in its stockpile and-final location. Trucks carrying Type Y-1 or Y-2 material shall not leave the highway right of way.
L. Spill Contingency Plan for material containing aerially deposited lead.

DUST CONTROL

Excavation, transportation, placement, and handling of material containing aerially deposited lead shall result in no visible dust migration. The Contractor shall have a water truck or tank on the job site at all times while clearing and grubbing and performing earthwork operations in work areas containing aerially deposited lead.

STOCKPILING

Stockpiles of material containing aerially deposited lead shall not be placed where affected by surface run-on or run-off. Stockpiles shall be covered with plastic sheeting 13 mils minimum thickness. Stockpiles shall not be placed in environmentally sensitive areas. Stockpiled material shall not enter storm drains, inlets, or waters of the State.

SURVEYING TYPE Y-1 or Y-2 MATERIAL BURIAL LOCATIONS

Survey the location of the bottom and top perimeters of each area where you bury Type Y-1 or Y-2 material (burial locations). The survey must be performed by or under the direction of either:

(1) A land surveyor licensed under Chapter 15 of the Business and Professions Code (commencing with Section 8700), or

(2) A civil engineer licensed prior to January 1, 1982 under Chapter 7 of the Business and Professions Code (commencing with Section 6700).

Survey ten points to determine each burial location horizontally and vertically within the specified accuracies and to create closed polygons of the perimeters of the bottom and top of the burial location. If ten points are not sufficient to define the polygon add additional points until the polygon is defined. Establish the position of the bottom and top perimeters before placing subsequent layers of material that obstruct the location.

Report each burial location in California State Plane Coordinates in US Survey feet within the appropriate zone of the California Coordinate System of 1983 (CCS83) and in latitude and longitude. Horizontal positions shall be referenced to CCS83 (epoch 2007.00 or later NGS or CSRC published epoch) to an accuracy of 3 feet horizontally. The elevation of points identifying the burial location shall locate the bottom and top of Type Y-1 or Y-2 material to an accuracy of 1 foot vertically. Elevations of the bottom and top of Type Y-1 or Y-2 material shall be referenced to North American Vertical Datum of 1988 (NAVD88) . Report accuracy of spatial data in US Survey feet under FGDC-STD-007.1-1998.

Within five business days of completing placement of Type Y-1 or Y-2 material at a burial location, submit a report for that burial location, including form CEM 1901 and electronic geospatial vector data shapefiles of the top and bottom perimeters of the burial location to the Engineer and to the following email address:

ADL@dot.ca.gov

The Engineer will notify you of acceptance or rejection of the burial location report within five business days of receipt. If the report is rejected, you have five business days to submit a corrected report.

MATERIAL TRANSPORTATION

Prior to traveling on public roads, loose and extraneous material shall be removed from surfaces outside the cargo areas of the transporting vehicles and the cargo shall be covered with tarpaulins or other cover, as outlined in the approved Excavation and Transportation Plan. The Contractor shall be responsible for costs due to spillage of material containing lead during transport.

The Department will not consider the Contractor a generator of the hazardous material, and the Contractor will not be obligated for further cleanup, removal, or remedial action for such material handled or disposed of in conformance with the requirements specified in these special provisions and the appropriate State and Federal laws and regulations and county and municipal ordinances and regulations regarding hazardous waste.

DISPOSAL

Surplus material for which the lead content is not known shall be analyzed for aerially deposited lead by the Contractor prior to removing the material from within the project limits. The Contractor shall submit a sampling and analysis plan and the name of the analytical laboratory to the Engineer at least 15 days prior to beginning sampling or analysis. The Contractor shall use a laboratory certified by the California Department of Health Services. Sampling shall be at a minimum rate of one sample for each 200 cubic yards of surplus material and tested for lead using EPA Method 6010 or 7000 series.

Materials containing aerially deposited lead shall be disposed of within California. The disposal site shall be operating under a permit issued by the appropriate California Environmental Protection Agency board or department.

Sampling, analyzing, transporting, and disposing of material containing aerially deposited lead excavated outside the pay limits of excavation will be at the Contractor's expense.

MEASUREMENT AND PAYMENT

Quantities of roadway excavation (aerially deposited lead), of the types shown in the Engineer's Estimate, will be measured and paid for in the same manner specified for roadway excavation and structure excavation, respectively, in Section 19, "Earthwork," of the Standard Specifications.

Full compensation for preparing an approved Excavation and Transportation Plan, transporting material containing aerially deposited lead reused in the work from location to location, and transporting and disposing of material containing aerially deposited lead shall be considered as included in the contract prices paid per cubic yard for the items of roadway excavation (aerially deposited lead) of the types involved, and no additional compensation will be allowed therefor.

Full compensation for roadway backfill (aerially deposited lead), of the types shown in the plans, shall be considered as included in the contract prices paid per cubic yard for the items of roadway excavation (aerially deposited lead) of the types involved, and no additional compensation will be allowed therefore.

No payment for stockpiling of material containing aerially deposited lead will be made, unless the stockpiling is ordered by the Engineer.

Sampling, analyses, and reporting of results for surplus material not previously sampled will be paid for as extra work as provided in Section 4-1.03D, "Extra Work," of the Standard Specifications.

The contract lump sum price paid for ADL Burial Location Report includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in collecting and reporting the data as specified in these special provisions, and as directed by the Engineer.

BID ITEM LIST

03-3A0424

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070012	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	LUMP SUM	LUMP SUM	
2	070013	SMALL BUSINESS UTILIZATION REPORT	EA	12		
3	070018	TIME-RELATED OVERHEAD	WDAY	620		
4	019009	TEMPORARY FENCE (TYPE CL-6 MODIFIED)	LF	7,040		
5	071325	TEMPORARY FENCE (TYPE ESA)	LF	1,410		
6	074016	CONSTRUCTION SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
7	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
8	019010	PUBLIC SAFETY PLAN	LS	LUMP SUM	LUMP SUM	
9	074028	TEMPORARY FIBER ROLL	LF	350		
10	074029	TEMPORARY SILT FENCE	LF	6,350		
11	074033	TEMPORARY CONSTRUCTION ENTRANCE	EA	4		
12	074034	TEMPORARY COVER	SQYD	630		
13	074038	TEMPORARY DRAINAGE INLET PROTECTION	EA	22		
14	074042	TEMPORARY CONCRETE WASHOUT (PORTABLE)	LS	LUMP SUM	LUMP SUM	
15	074056	RAIN EVENT ACTION PLAN	EA	100	500.00	50,000.00
16	074057	STORM WATER ANNUAL REPORT	EA	3	2,000.00	6,000.00
17	074058	STORM WATER SAMPLING AND ANALYSIS DAY	EA	60		
18	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
19	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
20	120120	TYPE III BARRICADE	EA	29		

REVISED PER ADDENDUM NO. 1 DATED APRIL 21, 2011

BID ITEM LIST

03-3A0424

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81 (F)	197020	EARTH RETAINING STRUCTURE	SQFT	23,560		
82	200001	HIGHWAY PLANTING	LS	LUMP SUM	LUMP SUM	
83	203027	EROSION CONTROL (BONDED FIBER MATRIX) (SQFT)	SQFT	53,600		
84	203031	EROSION CONTROL (HYDROSEED) (SQFT)	SQFT	52,100		
85	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
86	208000	IRRIGATION SYSTEM	LS	LUMP SUM	LUMP SUM	
87	208310	IRRIGATION SLEEVE	LF	81		
88	208738	8" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	LF	200		
89	208905	EXTEND 6" CONDUIT	LF	190		
90	260201	CLASS 2 AGGREGATE BASE	CY	17,200		
91	390132	HOT MIX ASPHALT (TYPE A)	TON	13,000		
92	390138	RUBBERIZED HOT MIX ASPHALT (OPEN GRADED)	TON	4,480		
93	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	50		
94	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	1,310		
95	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	25		
96	394090	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	SQYD	1,240		
97	019018	CONTRAST TREATMENT (STAMPED ASPHALT CONCRETE)	SQYD	1,170		
98	397005	TACK COAT	TON	25		
99	420201	GRIND EXISTING CONCRETE PAVEMENT	SQYD	1,420		
100	490528	FURNISH STEEL PILING (HP 14 X 89)	LF	4,151		

REVISED PER ADDENDUM NO. 1 DATED APRIL 21, 2011

BID ITEM LIST

03-3A0424

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	490529	DRIVE STEEL PILE (HP 14 X 89)	EA	123		
102	490603	24" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	890		
103	498016	16" CAST-IN-DRILLED-HOLE CONCRETE PILING (SOUND WALL)	LF	14,800		
104	498022	24" CAST-IN-DRILLED-HOLE CONCRETE PILING (SOUND WALL)	LF	730		
105 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	1,108		
106 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	4,357		
107 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	CY	92		
108 (F)	510072	STRUCTURAL CONCRETE, BARRIER SLAB	CY	776		
109 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	325		
110 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	38.3		
111	510805	DIAPHRAGM BOLSTER	EA	18		
112 (F)	042770	ARCHITECTURAL SURFACE (FRACTURED RIB TEXTURE)	SQFT	979		
113	511106	DRILL AND BOND DOWEL	LF	1,482		
114	511118	CLEAN EXPANSION JOINT	LF	547		
115	515020	REFINISH BRIDGE DECK	SQFT	226		
116	515041	FURNISH POLYESTER CONCRETE OVERLAY	CF	7,715		
117	515042	PLACE POLYESTER CONCRETE OVERLAY	SQFT	102,853		
118	515065	CORE CONCRETE (6")	LF	198		
119	515068	CORE CONCRETE (9")	LF	5		
120	019019	SOUND WALL (CAST-IN-PLACE)	SQFT	67,500		

REVISED PER ADDENDUM NO. 1 DATED APRIL 21, 2011